



Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

9528 Telstar Avenue • P.O. Box 8001 • El Monte, California 91731 • www.arb.ca.gov



Gray Davis
Governor

Mail Out #MSC 00-15

TO: Interested Parties

FROM: Robert H. Cross, Chief
Mobile Source Control Division

DATE: July 28, 2000

SUBJECT: AVAILABILITY OF MAY 31-JUNE 1, 2000 ZEV BIENNIAL REVIEW
WORKSHOP PRESENTATIONS AND SUBMITTALS

On May 31-June 1, 2000 the Air Resources Board staff held a workshop in Diamond Bar, California to discuss preliminary background information relevant to the Board's upcoming review of the Zero Emission Vehicle program. The workshop was organized in three sessions: a May 31 Daytime Session, a May 31 Evening Session, and a June 1 Daytime Session. The sessions included topics on the EV market, the Battery Technical Advisory Panel report, environmental and energy impacts, cost methodology and three general public comment opportunities. Attachment 1 lists the speakers, where copies of speaker presentations or handouts are available, and other materials (letters and e-mail comments) that were submitted by interested parties.

To obtain a copy of the May 31-June 1 workshop materials, please fill out the request form that is provided as Attachment 2 and mail, fax or e-mail it to Ms. Ibyang Rivera at the contacts provided. Materials from an earlier March 31, 2000 workshop may also be obtained with this request form.

Next Steps in the Biennial Review Process

Staff is now preparing a Staff Report. This document will contain revised and updated information from the Preliminary Draft Staff Assessment, modified as appropriate in response to comments received. Staff anticipates that the Staff Report and a notice of public hearing on this matter will be available by August 7, 2000.

Attachments

Attachment 1:
ARB ZEV Biennial Review May 31 - June 1, 2000 Workshop
Speakers and Availability of Materials

May 31, 2000: Daytime Session

| | <u>Name</u> | <u>Representing</u> | <u>Handout</u> |
|---------------------|--------------------|--|-----------------------|
| Introduction | Chuck Shulock | ARB | ARB Handout |
| | Mel Zeldon | SCAQMD | Yes |
| EV Market | | | |
| Staff presentation | Judy Yee | ARB | ARB Handout |
| Invited speakers | Edmund Fitzgerald | Costco Wholesale | Yes |
| | Michael Coates | Green Car Institute | Yes |
| | Terry O'Day | EV Rentals | |
| | Lisa Rawlins | Warner Brothers | Yes |
| | Cece Martin | Cal ETC | Yes |
| | Michael Fields | Xpress Shuttle | |
| | Ken Stewart | GM | Yes |
| | Ben Knight | Honda | Yes |
| | Rich Bell | Ford | Yes |
| | Dave Hermance | Toyota | Yes |
| | Kenneth Train | UC Berkeley/NERA (Sponsored by Toyota) | Yes |
| | Greg Hansen | EV Drivers | Yes |
| | Peter Schumann | Self | |
| | Bill Mason | EV | Yes |
| | Tim Hastrup | Self | Yes |
| | Margaret Chang | Self | Yes |
| Public comment | Jack Reynolds | Quik International | Yes |
| | Alec Brooks | AC Propulsion | Yes |
| | Tom Gage | AC Propulsion | Yes |
| | Doug Korthof | Self | |
| | Justine Moreno | Self (Essay contest winner) | yes |
| | Dale Foster | AeroVironment, Inc. | yes |
| | Mike Thompson | Self | yes |
| | Timothy L'Amoureux | Self | yes |
| | Michelle Kirkhoff | MSRC | yes |
| | Edward Hummel | Member, CCA, Physicians for Social Responsibility. | yes |

Battery Technical Advisory Panel

| | <u>Name</u> | <u>Representing</u> | <u>Handout</u> |
|--------------------|-------------------------------|--------------------------------|----------------|
| Staff introduction | Tom Evashenk | ARB | ARB Handout |
| Battery Panel | Dr. Kalhammer Dr. Anderman | Battery Panel Battery Panel | yes |
| Invited Speakers | Mark Verbrugge | GM | yes |
| | Larry Simering | Ford | yes |
| | Dave Hermance | Toyota | yes |
| | Ed Kjaer | SCE | yes |
| | Michael Saft | SaftAmerica, Inc. | yes |
| | Dennis Corrigan | Ovonic Battery Co. | yes |
| | Dr. John Dunning | EPRI study | yes |
| Public comment | Tom Gage | AC Propulsion | yes |
| | William Korthof | Self | |
| | Mike Thompson | Self | |
| | Bill Mason | EV Drivers | yes |
| | Alec Proudfoot | EV Drivers | |
| | Doug Korthof | Self | |

**General Comment :
Daytime and Evening Sessions**

| | <u>Name</u> | <u>Representing</u> | <u>Handout</u> |
|------------------|----------------------|---------------------------------------|-----------------------|
| Invited Speakers | Susan Frank | Steven & Michele Kirsch Foundation | yes |
| Public Comment | Michael Kolb | Self | yes |
| | Tom Turrentine | CalETC | yes |
| | Chris Yoder | Self | yes |
| | Larry and Julie Paul | Self | |
| | Doug Korthof | Self | |
| | Mike Thompson | Self | |
| | Ed Heustis | City of Vacaville | yes |
| | William Korthof | Self | |
| | Sandy Kapsteyn | Self | |
| | Chris Reeves | Self | |
| | Kevin Taylor | Self | |
| | Bruce Monreo | Safe Air Coalition | |
| | Pete Nortman | Self | |
| | Rudy Vietmier | Self | |
| | Lance Christensen | Self | |
| | Lillian Light | Self | |
| | Jim Moore | <u>Self</u> | |
| | Norman Smith | Self | |
| | Stuart Oldamp | Self | |

June 1, 2000: Daytime Session

| | <u>Name</u> | <u>Representing</u> | <u>Handout</u> |
|----------------------------------|--------------------|----------------------------------|----------------|
| Introduction | Chuck Shulock | ARB | |
| Inserted for Schedule Purposes | Ken Smith | ALAC | yes |
| | Kevin Finney | Coalition for Clean Air | |
| | David Freeman | LADWP | yes |
| | David Stein | SCAG | yes |
| Environmental and Energy Impacts | | | |
| Staff presentation | Tom Evashenk | ARB | ARB Handout |
| Invited speakers | Dave Aschukian | CEC | |
| | Stephan Unasch | AD Little | yes (2) |
| | Roland Hwang | UCS | yes |
| | Janet Hathaway | NRDC | yes |
| | V. John White | | |
| | Bonnie Holmes-Gen | ALAC | yes |
| | Sandra Spellisey | PCL | yes |
| | Susan Stevenson | Next Generation | yes |
| | Tom Darlington | Alliance/Air, Inc./Toyota | yes |
| | | Central R&D | |
| | Al Weverstad | GM | yes |
| | Tom Addison | BAAQMD | |
| Public comment | Mark Allard | Methanex | yes |
| | Jim Stewart, Ph.D. | Earthday LA | yes |
| | Lisa Rosen | Self | yes |
| | Doug Korthof | Self | |
| | Gladys Meade | ALA, LA, Orange, Inland Counties | |
| Inserted for Schedule Purposes | Steve Douglas | Alliance | yes |
| | Fred Maloney | DaimlerChrysler | yes |
| Lunch break | | | |

Cost methodology

| | <u>Name</u> | <u>Representing</u> | <u>Handout</u> |
|--------------------|-----------------|---------------------|----------------|
| Staff presentation | Chuck Shulock | ARB | ARB Handout |
| Invited speakers | Steve Douglas | Alliance | yes |
| | Melissa Hansen | Ford | yes |
| | Fred Maloney | DaimlerChrysler | yes |
| | Sam Leonard | GM | yes |
| | Michael Jackson | AD Little | yes |
| | Mickey Oros | EVI | yes |
| Public comment | Alec Brooks | AC Propulsion | yes |
| | William Korthof | Self | |

General Public Comment

| | | |
|------------------|--------------------------------|-----|
| Jim Montgomery | Self | yes |
| Alec Proudfoot | Self | yes |
| Enid Joffe | CFCI | yes |
| Doug Korthof | Self | |
| Alec Brooks | AC Propulsion | yes |
| Greg Hanssen | Self | |
| Kathleen Gildred | SCAG Regional Advisory Council | |
| Don Mignola | Self | |

Wrap-up Chuck Shulock ARB

Other Testimony Received

| | | |
|--------------------|--------------------|-----|
| Stephen Heckerorth | self | yes |
| Robert Siebert | self | yes |
| Joe Jonah Euclid | self | yes |
| Roland Schinzinger | self | yes |
| Janet Orth | Mendocino COG/RTPA | yes |
| Kurt Newick | self | yes |

Attachment 2:
Request for Copies of Workshop Materials

If you are interested in receiving copies of materials from the this workshop please fill out this form and mail, fax or e-mail it to:

Ms. Ibyang Rivera
Air Resources Board
PO Box 2815
Sacramento, CA 95812

Fax 916-322-3923
e-mail irivera@arb.ca.gov

Please send me:

May 31-June 1, 2000 Workshop

All available materials ☐

March 30, 2000 Workshop

All available materials ☐

Please send to:

Name: _____

Representing: _____

Telephone: _____ Email: _____

Address: _____
